



IFW

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: July 14, 2004 Name: John C. Freeman Signature: *JCF*

BRINKS  
HOFER  
GILSON  
& LIONE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln of: Robert Setbacken et al.

U.S. Patent Application Serial  
No.: 10/829,546

Art Unit: 2819

U.S. Filing  
Date: April 22, 2004

For: POSITIONAL ENCODER ASSEMBLY

Examiner: unassigned

Attorney Docket No: 8371/13

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:

Attached is/are:

- ☒ Power Of Attorney with attached copy of Assignment  
☒ Return Receipt Postcard

Fee calculation:

- ☐ No additional fee is required.  
☐ Small Entity.  
☐ An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).  
☐ A petition or processing fee in an amount of \$\_\_\_\_\_ under 37 C.F.R. § 1.17(\_\_\_\_).  
☐ An additional filing fee has been calculated as shown below:

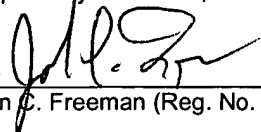
					Small Entity			Not a Small Entity	
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$9=			x \$18=	
Indep.		Minus			x 43=			x \$86=	
First Presentation of Multiple Dep. Claim					+\$145=			+\$290=	
					Total	\$		Total	\$

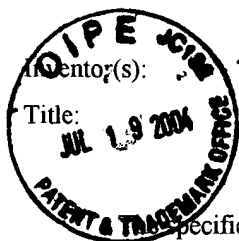
**Fee payment:**

- ☐ A check in the amount of \$\_\_\_\_\_ to cover filing fee is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

July 14, 2004  
July 14, 2004

Respectfully submitted,

  
John C. Freeman (Reg. No. 34,483)



Inventor(s):

Title:

Robert Malcolm Setbacken, et al.POSITIONAL ENCODER ASSEMBLY**POWER OF ATTORNEY**

Specification of the above-identified patent application:

- ☒ is attached hereto  
☐ was filed on \_\_\_\_\_ as application Serial No. \_\_\_\_\_

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

John C. Freeman

Please address all correspondence and telephone calls to John C. Freeman in care of:

Brinks Hofer Gilson & Lione  
 P.O. Box 10395  
 Chicago, IL 60610  
 (312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Renco Encoders, Inc. as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

\_\_\_\_\_, a \_\_\_\_\_, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- ☒ An assignment from the inventor(s) of the patent application identified above, a copy of which is attached hereto.  
 OR
- ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_.  
 OR
- ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
1. From \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_, or a copy thereof is attached.
  2. From \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_, or a copy thereof is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned has reviewed the assignment or all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature

Robert M. Setbacken

Date:

4 Mar 04

Name:

Robert Malcolm Setbacken

Title:

V.P. Engineering

## TO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:

Robert Malcolm Setbacken  
Gary Thomas Rhoades  
Kevin Michael Carbone  
Gregg Richard Service



2. Name and Address of Party(ies) receiving an interest:

Name: Renco Encoders, Inc.  
Internal Address:  
Street Address: 26 Coromar Drive  
City: Goleta  
State/Zip: California 93117

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment☐ Change of Name

Other:

☐ Security Agreement☐ Merger

Execution Date: April 20, 2004

4. Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

If this document is being filed together with a new application, the execution date of the application is:

April 22, 2004

Date

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE  
P.O. BOX 10395  
CHICAGO, IL 60610  
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account No. 23-19258. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John C. Freeman

Name of Person Signing

Signature

April 22, 2004

Date

Total number of pages including cover sheet, attachments, and document: 4

**ASSIGNMENT**

WHEREAS, Robert Malcolm Setbacken, Gary Thomas Rhodes, Kevin Michael Carbone, and Gregg Richard Service hereinafter called the "Assignor", have made the invention described in United States Provisional Patent Application Serial No. 60/465,295, filed on April 25, 2003, entitled POSITIONAL ENCODER ASSEMBLY and in the United States Patent Application entitled POSITIONAL ENCODER ASSEMBLY, and filed herewith;

WHEREAS, Renco Encoders, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 26 Coromar Drive, Goleta, California 93117, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent applications identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent applications identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefore in all countries foreign to the United States, including the full right to claim for any such applications all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent applications identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; investing in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

19 Apr 04  
Date

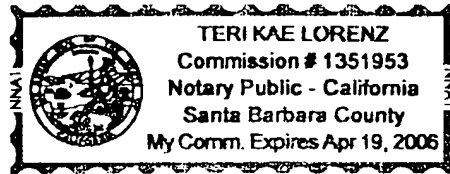
Robert Malcolm Setbacken  
Robert Malcolm Setbacken

State of California.     )  
                                  ) ss.  
County of Santa Barbara)

On 4/19/2004 before me, *Teri Kae Lorenz, Notary Public*, personally appeared Robert Malcolm Setbacken, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*Teri Kae Lorenz*  
Signature of Notary Public



4/19/04  
Date

*Gary Thomas Rhodes*  
Gary Thomas Rhodes

State of California.     )  
                                  ) ss.  
County of Santa Barbara)

On 4/19/04 before me, *Teri Kae Lorenz, Notary Public*, personally appeared Gary Thomas Rhodes, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*Teri Kae Lorenz*  
Signature of Notary Public



Date \_\_\_\_\_

Kevin Carbone  
Kevin Michael Carbone

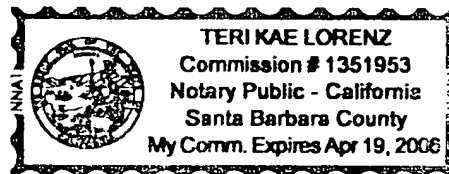
State of California.        )  
  ) ss.

County of Santa Barbara)

On 4/19/04 before me, *Teri Kae Lorenz, Notary Public*, personally appeared Kevin Michael Carbone, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*Luiz A. Okeny*  
Signature of Notary Public



04/20/04  
Date

  
Gregg Richard Service

State of California.        )  
  ) ss.

County of Santa Barbara)

On 4/20/04 before me, *Teri Kae Lorenz, Notary Public*, personally appeared Gregg Richard Service, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*Signature of Notary Public*

